

## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2005/00241 1
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 HOIL 33/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 HOIL, C09K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and Applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

phosphor, fluorescent, Sr, Si<sub>2</sub>O<sub>8</sub>, SiO<sub>4</sub>, silicate, Eu, LED, light emitting diode, light emitting device

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 14-171000 A (SHRAP CORP) 14 JUNE 2002 See the Abstract, Claims 3-6, 11-16, 20-21, 24-27, figures 2-4, 8-12, 16-17	1,4, 5, 8, 10, 12-14, 23-25
Y		2-3, 6-7, 9, 11, 15-22, 26-29
X	KR 2004-29313 A (MATSUSHITA ELECTRIC IND CO LTD) 06 APRIL 2004 See the Abstract, pp 11-12, 28-29, claims 1-2, 7, 10-11, 13, 23, 28, 34, figures 2-3, 7-8	1,4, 5, 8, 10, 12-14, 23-25
Y		2-3, 6-7, 9, 11, 15-22, 26-29
X	JP 16-179644 A (NICHIA CHEM IND LTD) 24 JUNE 2004 See the Abstract, paragraph <26>, <55>-<58>, figures 1-2	1, 8, 23-25 2-7, 9-22, 26-29
X	JP 15-1 10150 A (MATSUSHITA ELECTRIC IND CO LTD) 11 APRIL 2003 See the Abstract, paragraph [0009], [0034], figures 1-4	1, 4, 5, 8, 10, 12-14, 23-25
X	KR 2004-37229 A (MATSUSHITA ELECTRIC IND CO LTD) 04 MAY 2004 See the Abstract, pp. 2-7, figures 1-4	1, 4, 5, 8, 10, 12-14, 23-25

**D** Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
01 NOVEMBER 2005 (01.11.2005)

Date of mailing of the international search report

04 NOVEMBER 2005 (04.11.2005)

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No. <b>PCT/KR2005/002411</b>
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 14-171000 A	14-06-2002	US 2002/63301 A1	30-05-2002
KR 2004-29313 A	06-04-2004	EP 1367655 A1 WO 2003/21691 A1 US 2004/104391 A1	03-12-2003 13-03-2003 03-06-2004
JP 16-179644 A	24-06-2004	NONE	
JP 15-110150 A	11-04-2003	NONE	
KR 2004-37229 A	04-05-2004	EP 1447853 A1 WO 2003/32407 A1 US 2004/245532 A1 CN 1561549 A TW 573371 B	18-08-2004 17-04-2003 09-12-2004 05-01-2005 21-01-2004